SONY

NSR-100

Intelligent network surveillance recorder with top-of-the-range storage, recording and audio support

This powerful, intelligent, all-in-one network surveillance recorder is extremely easy to use for multi-camera monitoring, recording, search and playback. It offers 1000 GB storage capacity, 480 frames per second recording and support for up to 64 audio channels.

Incorporating intelligent video analytics including Video Motion Filter Alarms and Video Motion Filter Searches it provides high levels of operational efficiency and security.

It can be deployed as a stand-alone system or in a small- to large-scale client/server configuration, and uses the reliable Linux operating system.

Features

480 fps frame rate; 1000 GB hard disk drive; RAID drives

The recorder captures high-quality images from multiple cameras at a rate of 480 frames per second (16 cameras x 30 fps). It has a 1000 GB capacity hard disk drive (with a mechanism for quick, easy data recovery if the drive becomes corrupted) and, for even greater reliability, RAID drives.

15 Intelligent video analytics

Based on the Sony Distributed Processing Architecture (DEPA) platform, this efficient and intelligent processing method enables the recorder to use metadata and filters received from DEPA-enabled cameras to analyse object movement Intelligent Motion Detection (IMD) and Intelligent Object Detection (IOD). This minimises server workload, network bandwidth and storage capacity.

Intelligent Video Motion Filter Alarm and Intelligent Motion Detection (IMD)

With DEPA-enabled cameras, the filter alarm lets you limit alarm triggers to specific object movements/situations, and to specific object size/direction/speed (you simply exclude any objects that should not trigger an alarm). The built-in IMD function works independently of the cameras to trigger an alarm or perform other actions (e.g., lock doors, turn on lights)..

Intelligent Video Motion Filter Search and other intelligent search features

Use the filters you set for DEPA-enabled camera monitoring for your searches. This drastically reduces your image retrieval and review/audit times. You can also search for recently recorded images from a recording list, and perform advanced searches to locate recorded images by designating cameras, date, time and recording/alarm type.

Ease-of-use features: intelligent setup and intuitive GUI

The recorder automatically recognises and registers any installed network cameras and assigns IP addresses. It also generates an appropriate monitoring layout based on the number of registered cameras. The intuitive, user-friendly graphical user interface (GUI) lets you set up viewer windows in various combinations.

Remote control

From a remote location, you can control up to 100 recorders from a single PC running the supplied software. This enables basic operations (live image monitoring, recording, playback and image search) and AVI file export to another location. An optional remote control unit lets you control both the recorder and networked cameras.

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Multiple hot-spot monitoring and dual-monitor support

You can assign a hot-spot area (a specific monitor window within a multi-camera view) and configure the system with dual monitors. This lets you assign up to nine hot-spot monitor windows to the second monitor to ensure crucial events are not missed.

MPEG-4/JPEG support

The recorder supports recording and playback for cameras that encode in both MPEG-4 and JPEG, giving you more options when configuring your network monitoring system.

Flexible recording modes

Different recording modes â¿¿ including manual, scheduled, hardware alarm, pre- and post-alarm, and motion-base recording â¿¿ give you greater choice when deciding what to record.

Benefits

Save time and effort at setup

This recorder is designed to complete setup tasks without user intervention, saving you time and effort. A setup

wizard detects all networked cameras, gives each an IP address and even creates a monitoring layout. Youâ¿¿ll find the graphical user interface (GUI) is intuitive and very user friendly.

Built-in intelligence simplifies monitoring

Enjoy fewer false alarms and greater accuracy with built-in motion and object detection intelligence. The joystick keyboard simplifies all operations. You can view hot-spot areas and multiple screens on dual monitors. Choose your preferred default layout or customise one to your specific requirements.

Greater choice when deciding what to record

This recorder lets you decide what to record, thanks to a wide choice of different recording modes. It also support high frame rate recording: 480 frames per second.

Easy to search, playback and export

You'll find it easy to search for image data by time, date, recording type and camera number. You can perform simultaneous playback of multiple cameras. And you can choose from many export options: DVD-R, CD-R/RW, CF card, video output and USB memory.

Technical Specifications

--Video/Recording--

Number of IP Cameras Supported	64 Max.
Video Compression	MPEG-4 or JPEG
Maximum Recording Rate *1	480 fps
Hard Disk Drives	Physical Capacity 1,000 GB (250 GB x 4)Â InterfaceÂSerial ATA RAID Level/Recording Capacity (approx.) Hardware RAID (Hot Swappable when set to RAID 5 or RAID 1) RAID 5: (Default) 700 GB RAID 1: 460 GB RAID 0: 940 GB
Network File System (for NAS)	Supports NFS Version 3 protocol

--Video Interface--

Monitor OUT	1 RGB connector x2 (Front and Rear Panel, cannot be used simultaneously) 2 RGB connector x1
Video Output	S-Video x1
Analog Composite OUT	RCA-pin x2 (Front and Rear Panel, cannot be used simultaneously)

--Audio Interface--

Mic IN	Mini jack x1(front), x 1(rear)
Line OUT	RCA-pin, L/R x1 stereo pair, (front and rear panel)

--Sensor/Alarm--

Sensor in	8-channel photo-coupler (DC3.3-24V)
Alarm out	8-channel relay (Max. 24V 1A)

--Other Interfaces--

Ethernet	1000Base-T/100Base-TX/10Base-T x3 (automatic switching)

USB	Front x2, Rear x2
Serial interface	RS-232C x1 (for UPS) *2

--General--

Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 1/2 x 16 1/2) excluding protrusions
Mass	Approx. 13 kg (28 lb 11 oz)
Voltage	100 to 127/200 to 240 V AC
Current consumption	2.77 A / 1.39 A
Operating temperature	5 to 40° C (41 to 104Â° F)
Operating humidity	10 to 80% (non-condensing)

Supplied Accessories

	Rubber feet
	Manual/Tool/Source codes CD
	Recovery CD
	Remote control unit operation card
	Installation guide
	Front panel key

Accessories

Network Interface

SNT-V704

Sony Video Network Server, the SNT-V704